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U.S. PTO

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PTO/SB/05 (11-01)

Approved for use through 10/31/2002. OMB 0651-01

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TI-35831
First Inventor	Dasgupta, et al.
Title	Algorithm for Computing Distances to a Received Point in an ADSL System
Express Mail Label No.	EV 396902152 US

091619 U.S. PTO
10/748998
12/30/2003**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Select an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification (preferred arrangement set forth below) [Total Pages 31] 1
- Descriptive title of the invention
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 7] 1
5. Oath or Declaration [Total Sheets 3] 1
- a. Newly executed (original or copy)
- b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Commissioner for Patents
Mail Stop: Patent Application
P. O. Box 1450 Alexandria VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
37 CFR 3.73(b) Statement Power of Attorney
10. English Translation Document (if applicable)
11. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
12. Preliminary Amendment
13. Two (2) Return Receipt Postcards (MPEP 503)
(Should be specifically itemized)
14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(x). Applicant must attach form PTO/SB/35
or its equivalent.
16. Other:
17. Other:

18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS
 Customer Number 23494 or Correspondence address below
(Insert Customer No. or Attach bar code/label here.)

Name	Jim Brady			
	Texas Instruments Incorporated			
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Name (Print/type)	Ira S. Matsil	Registration No. (Attorney/Agent)	35,272	
Signature				Date
				December 30, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop: Patent Application, P. O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Dasgupta, et al.

Docket No.: TI-35831

Serial No.: TBD

Art Unit: TBD

Filed: HEREWITH

Examiner: TBD

For: Algorithm for Computing Distances to a Received Point in an ADSL System

Certificate of Mailing via Express Mail

EXPRESS MAIL mailing label number: EV 396902152 US

Date of Deposit: December 30, 2003

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to: Mail Stop: Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450:

Certificate of Mailing via Express Mail (1 page)
Utility Patent Application Transmittal (1 page)
Fee Transmittal (1 original and 1 copy = 2 pages)
Complete Copy of Patent Application (38 pages), to include:
 Specification (31 pages)
 Drawing sheets (7 pages)
Declaration and Power of Attorney (3 pages)
Assignment Recordation Cover Sheet (1 page)
Copy of Original Signed Assignment(s) (3 pages)
Information Disclosure Statement (1 page)
Form PTO/SB/08A (1 page) with one reference attached
Return Postcards (2)

Respectfully submitted,



Dusty Dudley
Legal Assistant

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Tel: 972-732-1001
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 936.00)

Complete if Known	
Application Number	TBD
Filing Date	Herewith
First Named Inventor	Dasgupta, et al.
Examiner Name	TBD
Group Art Unit	TBD

Attorney Docket No. TI-35831

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account

Deposit Account Number	20-0668
Deposit Account Name	Texas Instruments Incorporated

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee (\$)	Fee (\$)
1001	2001	375	Utility filing fee
1002	3002	165	Design filing fee
1003	2003	260	Plant filing fee
1004	2004	375	Reissue filing fee
1005	2005	80	Provisional filing fee

SUBTOTAL (1) (\$ 770.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
27	2	-20**= 7	x 18 =	126.00
2	2	-3**= 0	x 86 =	0.00

Multiple Dependent

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee (\$)	Fee (\$)
1202	2202	9	Claims in excess of 20
1201	2201	42	Independent claims in excess of 3
1203	2203	140	Multiple dependent claim, if not paid
1204	2204	42	**Reissue independent claims over original patent
1205	2205	8	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 126.00)

** or number previously paid, if greater. For Reissues, see above

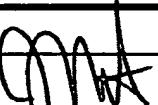
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code	Fee (\$)	Fee (\$)
1202	2202	9	Claims in excess of 20
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1203	2203	140	Multiple dependent claim, if not paid
1204	2204	42	**Reissue independent claims over original patent
1205	2205	8	**Reissue claims in excess of 20 and over original patent

Other fee (specify)	SUBTOTAL (3)	(\$ 40.00)
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*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

40.00

SUBMITTED BY		Complete if applicable	
Name (Print/Type)	Ira S. Matsil	Registration No. (Attorney/Agent)	35,272
Signature		Telephone	972-732-1001

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